

15. 1904; Ill. Handb. Laubholz. 1: 279. 1904.

WEIGELTIA SCHLIMII var. *INTERMEDIA* Moldenke, var. nov.

Haec varietas a forma typica speciei recedit inflorescentiis ♀ sessilibus vel subsessilibus, floribus ♂ 5 mm. longis, petalis 2 mm. latis, antheribus 1 mm. longis glabris, filamentis 1 mm. longis, et fructibus ca. 1 cm. in diametro.

This variety differs from the typical form of the species in having sessile or subsessile pistillate inflorescences (observed in fruit) and slightly larger flowers (observed in bud only), the petals being about 5 mm. long and 2 mm. wide, the glabrous anthers as long as the filaments, each about 1 mm. long, and the fruit about 1 cm. in diameter, smooth, very wrinkled in drying. In the typical form of the species the pistillate inflorescences (in fruit) have a peduncle about 5.5 cm. long, the petals are only 4 mm. long and 1 mm. wide, the filaments are about 2 mm. long, and the anthers are very small, about 0.25 mm. long, pilose at the base, while the fruit is only about 7 mm. in diameter, pustulate, not wrinkled. In *W. multiflora* A. C. Sm. the pistillate inflorescences are not known, but the staminate flowers have their petals 3.5--5 mm. long and 1.9--2.5 mm. wide, the anthers about 1 mm. long and the filaments about 2 mm. long, and the leaves are relatively much narrower and differ markedly in the details of their venation.

The type of this variety was collected by José Cuatrecasas (no. 17312) at San Isidro, altitude 5--100 m., Río Cajambre, on the Pacific coast, El Valle, Colombia, between May 2 and 5, 1944, and is deposited in the Britton Herbarium at the New York Botanical Garden.

ADDITIONAL NOTES ON THE GENUS *TIMOTOCIA*. I

Harold N. Moldenke

Since the publication of my monograph of this genus in Fedde, Repert. Sp. Nov. 39: 129--153 (1936) seventy-nine additional specimens and photographs of specimens have been examined. The small number of specimens that have come to light in these eleven years is a good indication of the scarcity of material of this genus in the world's herbaria and the rarity of the members of the group. The material hereinafter cited is deposited in the herbaria indicated by the following symbols: B = Botanisches Museum, Berlin; Br = Jardin Botanique de l'Etat, Brussels; Cb = Delessert Herbar-

ium, Conservatoire et Jardin Botaniques, Geneva; Dc = De Candolle Herbarium, Conservatoire et Jardin Botaniques, Geneva; E = Missouri Botanical Garden, St. Louis; Ed = Royal Botanic Garden, Edinburgh; Ja = Museu Nacional, Rio de Janeiro; K = Royal Botanic Gardens, Kew; Kr = Krukoff Herbarium, New York Botanical Garden, New York City; Lu = Botanisk Museum, University of Lund, Lund; Mu = Botanisches Museum, Munich; N = Britton Herbarium, New York Botanical Garden, New York City; P = Muséum National d'Histoire Naturelle, Paris; Us = Botaniska Institutionen, Uppsala; W = United States National Herbarium, Smithsonian Institution, Washington; and Z = H. N. Moldenke Herbarium, Watchung, New Jersey.

TIMOTOCIA Moldenke

References: Casselia Nees & Mart., Nov. Act. Physico-med. Acad. Caes. Leopold.-Carol. Nat. Cur. 11: 73, pl. 6, figs. A & B. 1823; Reichenb., Conspect. Reg. Veg. 1: 117. 1828; Walp., Repert. 4: 40. 1845; Schau. in A. DC., Prodr. 11: 527. 1847; Paxt., Fl. des Serres pl. 361. 1848; Paxt., Mag. Bot. 15: 75. 1849; Schau. in Mart., Fl. Bras. 9: 173, pl. 32. 1851; Bocq., Rev. Verb. 141, pl. 16. 1861--1863; Benth. in Benth. & Hook. f., Gen. Pl. 2 (2): 1148. 1876; Junell, Symb. Bot. Upsal. 4: 18. 1934; Moldenke in Fedde, Repert. Sp. Nov. 39: 129. 1936; Moldenke, Alph. List Invalid Names 12. 1942. Timotocia Moldenke in Fedde, Repert. Sp. Nov. 39: 129--153. 1936; Chron. Bot. 3: 311. 1937; Alph. List Invalid Names 12. 1942; Known Geogr. Distrib. Verbenac. 38, 40, 41, 74, & 100. 1942; Prelim. Alph. List Invalid Names 14. 1940; Alph. List Citations 237 & 264. 1946.

Junell in the reference cited above states that the floral morphology, especially that of the gynoeceium and androeceium, and the vegetative morphology point to a close relationship between this genus and Ghinia Schreb. The two genera are, however, widely separated in the classification of Briquet. Reichenbach, in the reference cited above, places the genus (as Casselia Nees) among the accepted genera in his section Verbeneae of the family Labiatae.

TIMOTOCIA CHAMAEDRYFOLIA (Cham.) Moldenke

On page 145 of my monograph four specimens of Saint-Hilaire s.n. [Olho d'Agoa, 1816--1821] are cited from the Paris herbarium. The figure should be 3, since one of these sheets is now in the Britton Herbarium at New York.

Illustrations: Warming, Dansk. Vid. Selsk. Skrift, ser. 6, 6: 197. 1892; Drude, Okol. Pflanzen [Die Wissensch. 1:] 66. 1913.

Additional citations: BRAZIL: Goyaz: J. E. Pohl 442 (N). Minas Geraes: Saint-Hilaire s.n. [Olho d'Agoa, 1816--1821] (N); Sellow 1517 [Macbride photos 17576] (Kr--photo of type,

F--isotype), 1519 (B, B, B). Rio de Janeiro: Sellow s.n. [Payal, 1818] (B, B).

TIMOTOCIA CONFERTIFLORA Moldenke

The Macbride photograph cited below is erroneously labeled "Gardner 3371" and "Rasselin 3371".

Additional citations: BRAZIL: Goyaz: G. Gardner 3369 [Macbride photos 34298] (Br--isotype, Kr--photo of isotype).

TIMOTOCIA CONFERTIFLORA var. **LACINIATA** Moldenke

This plant has been misidentified in some herbaria as Lantana brasiliensis Link.

Additional citations: BRAZIL: Goyaz: G. Gardner 3370 [Macbride photos 34297] (Br--isotype, Ed--isotype, Kr--photo of isotype).

TIMOTOCIA GLAZIOVII Briq. & Moldenke

This species has been misidentified in some herbaria as "Lantana turneraefolia Cham.", "Lippia turneraefolia Cham.", and "Scrophul."

Additional citations: BRAZIL: Goyaz: Glaziou 21890 [Macbride photos 24626, in part] (B, Br, K, Kr--photo); J. E. Pohl 2158 [Herb. Imp. Vindob. 142; Macbride photos 34296] (Kr--photo of type). State undetermined: J. E. Pohl s.n. (Br).

TIMOTOCIA HASSLERI (Briq.) Moldenke

Material of this species is mixed with Basistemum spinosus (Chod.) Moldenke, of the Scrophulariaceae, on the Berlin sheet of Hassler 7350, cited below.

Additional citations: PARAGUAY: Hassler 7350, in part (B), 7889 [Macbride photos 24627] (Cb--isotype, Kr--photo of type, N--fragment of type, P--isotype), 10760 (Cb, Cb, F).

TIMOTOCIA HYMENOCALYX (Briq.) Moldenke

Additional citations: PARAGUAY: Fiebrig 4092 [Herb. Monac. 4147] (Cb, Cb, Ed, Mu); Hassler 7637 [Macbride photos 24628] (Cb--isotype, Kr--photo of type, P--isotype). CULTIVATED: Paraguay: Rojas 2406 [Herb. Parag. Jard. Bot. Parag. 10834] (Mu).

TIMOTOCIA INTEGRIFOLIA (Nees & Mart.) Moldenke

References: Casselia semiserrata Hort. ex Moldenke, Prelim. Alph. List Invalid Names 14, in syn. 1940; Alph. List Invalid Names 12, in syn. 1942.

Illustrations: Paxt., Flore des Serres, ser. 1, 4: pl. 361 (colored). 1848; Paxt., Mag. Bot. 15: 75 (colored). 1849.

Additional citations: BRAZIL: Piahy: G. Gardner 2272 (N). Rio de Janeiro: L. Riedel 404 (Dc); Riedel & Luschnath

1328 (N); Ule s.n. [Oct. 1899] (B). State undetermined: Lund 394 (Cb). CULTIVATED: Belgium: Hort. Mons. s.n. [1839; type coll. of Casselia semiserrata Hort.] (Br). ILLUSTRATION, colored (Br).

TIMOTOCIA INTEGRIFOLIA var. FISCHERI (Mart.) Moldenke

The Macbride photograph 20347 cited on page 137 of my monograph as a photograph of an isotype of this variety is actually a photograph of the type. The collection label on the Krukoff Herbarium sheet cited below is inscribed "Brazil", apparently in error, for the plant of which this is a photograph was collected in cultivation in Germany, though it may have originated in Brazil.

Additional citations: CULTIVATED: France: Herb. Baillon s.n. [Hort. Paris] (P). Germany: Lucae s.n. [Herb. Kummer; Herb. Monac. 1281; Macbride photos 20347] (Kr--photo of type, Mu--photo of type).

TIMOTOCIA MANSOI (Schau.) Moldenke

References: Casselia Mansii Schau. ex Moldenke, Prelim. Alph. List Invalid Names 14, in syn. 1940; Alph. List Invalid Names 12, in syn. 1942. Casselia Mansoi Schau. in A. DC., Prodr. 11: 527. 1847; Schau. in Mart., Fl. Bras. 9: 75, pl. 32. 1851; Junell, Symb. Bot. Upsal. 4: 18. 1934. Casselia peduncularis Mart. ex Moldenke, Prelim. Alph. List Invalid Names 14, in syn. 1940; Alph. List Invalid Names 12, in syn. 1942.

Illustrations: Mart., Fl. Bras. 9: pl. 32, fig. 2. 1851; Bocq., Rev. Verbenac. pl. 16. 1861--1863; Briq. in Engl. & Prantl, Nat. Pflanzenfam. 4 (3a): 157. 1895.

Additional citations: BRAZIL: Goyaz: G. Gardner 3371 (Br, Cb, Cb, P); Weddell 2789 (P). Matto Grosso: Collector undesignated s.n. [Morro do Ernesto Quiaba; as "Casselia Mansii Schau."] (Br); Malme 2524 (Lu, Us); Silva-Manso s.n. [Herb. Martius 1025; Herb. Monac. 421; Macbride photos 24629] (Br--isotype, Dc--type, Kr--photo of isotype, Mu--isotype, N--photo of type, P--isotype, Z--photo of type). State undetermined: Herb. Baillon s.n. (P); J. E. Pohl 144 [type coll. of Casselia peduncularis Mart.] (Br), s.n. (Br). BOLIVIA: Santa Cruz: Steinbach 5566 (Cb). ILLUSTRATIONS: Mart. Fl. Bras. pl. 32 (B).

TIMOTOCIA ROSULARIS (Sandw.) Moldenke

This species is described by Archer and Gehrt as having long tuberous roots and pink flowers with the odor of cinnamon (Cinnamomum zeylanicum).

Additional citations: BRAZIL: Matto Grosso: Archer & Gehrt 152 (N, W), s.n. [Herb. Inst. Biol. S. Paulo 36320] (N); Malme 2449a (B, E--photo, N--photo, Z--photo).

TIMOTOCIA SERRATA (Nees & Mart.) Moldenke

References: Casselia serrata Nees & Mart., Nov. Act. Physico-med. Acad. Caes. Leopold.-Carol. Nat. Cur. 11: 75--76, pl. 6, fig. A. 1823; Junell, Symb. Bot. Upsal. 4: 18 & 19. 1934.

Junell, in the reference cited above, discusses the gynoecium morphology of this species.

Illustrations: Nov. Act. Physico-med. Acad. Caes. Leopold.-Carol. Nat. Cur. 11: pl. 6, fig. A. 1823; Symb. Bot. Upsal. 4: fig. 25 & pl. 1, fig. 1. 1934.

Additional citations: BRAZIL: Bahia: Wied-Neuwied s.n. [Brasilia] (Br, Lu). Minas Geraes: Dusén s.n. [Herb. Rio de Janeiro 32253] (Ja); Glaziou 13060 [Macbride photos 24626, in part] (Kr--photo).

TIMOTOCIA VERONICAEFOLIA (Cham.) Moldenke

Additional citations: BRAZIL: Minas Geraes: Sellow 1518 [Macbride photos 17577] (Kr--photo of type & isotype).

TIMOTOCIA ZELOTA Moldenke

Additional citations: BRAZIL: Minas Geraes: Blanchet 3133 (Cb--isotype).

ADDITIONAL NOTES ON THE GENUS AMASONIA. II

Harold N. Moldenke

AMASONIA L. f.

Taligalea and Amasonia are both included among the accepted genera in the section Verbeneae of the family Labiatae by H. G. L. Reichenbach in his Conspect. Reg. Veg. 1: 117 (1828).

AMASONIA CAMPESTRIS (Aubl.) Moldenke

Additional citations: SURINAM: Maguire 23780 (N). BRAZIL: Maranhão: G. Don H.136 ["85"] (Br).

AMASONIA HIRTA Benth.

The type collection of this species was made "in Brazil by Pohl and Langedorff" according to Bentham's original description, not by Schomburgk as erroneously stated by me on page 205 of my monograph. The Pohl s.n. [Villa Boa; Herb. Monac. 931] collection cited by me on the same page is actually from the state of Goyaz.

Additional citations: BRAZIL: Goyaz: Ule 451 [Herb. Rio